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PATENTS AND TRADEMARKS  
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Case K 224

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of: Christoph Schultheiss et al

Title: METHOD AND REACTOR FOR THE NON-THERMAL DECOMPOSITION  
AND PASTEURIZATION OF ORGANIC PROCESS MATERIALS BY  
ELECTROPORATION

Hon. Commissioner for Patents  
P.O. 1450  
Alexandria, VA 22313-1450

February 20, 2004

SIR:

INFORMATION DISCLOSURE STATEMENT - SECTION 1.97(b)

Under the provisions of 37 C.F.R. Section 1.56, and in accordance with 37 C.F.R. Sections 1.97 and 1.98, applicants' representative hereby submits US Patent & Trademark Office Form PTO-1449. Copies of the references cited therein are submitted for consideration in the examination of the above-referenced patent application. It is respectfully requested that they be made of record, along with whatever references the Examiner may find in the course of a search, should the Examiner consider them material to the subject application.

The references were cited in the International Search Report. None of the references was marked "X" as being particularly pertinent.

The references do not disclose that In a reaction chamber, which constitutes a component of a process installation for obtaining foodstuffs or foodstuff components, biological products in harvested form that are whole or in pieces are subjected to pulsed electric fields as they pass through said reaction chamber, said electric fields forming pores in the cell walls so as to irreversibly open the latter, thus making the content of the cells more easily accessible. This is achieved by electrode groups, which can

be energized to a high voltage and are located in the wall of a longitudinal passage of the reactor through which the process material is moved past grounded electrodes located in an opposing longitudinal wall area. Each electrode group is connected to an electric energy accumulator such as for example, a Marx generator, by means of a switch, in order to rapidly establish electric fields of multiple directions between the charged and the grounded electrodes.

This Statement is hereby submitted under Section 1.97(b) since it is being submitted concurrently with the filing of the above-referenced application.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'K. Bach', written in a cursive style.

Klaus J. Bach, Reg. No.: 26832

